

USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 14BIM05

TOPIC	INFORMATION
USGS ACTIVITY ID:	2014-317-FA
OTHER ID (IF ANY):	14BIM05
ORGANIZATION(S)/PROGRAM:	USGS SPCMSC and USFWS
PROJECT/THEME:	Barrier Island Mapping (BIM)
AREA OF OPERATION:	Offshore Breton Island, Louisiana
PRINCIPAL INVESTIGATOR(S):	James Flocks
INFORMATION SPECIALIST(S):	Dana Wiese and Jake Fredericks
ACTIVITY TYPE:	Geophysical mapping
SCIENTIFIC PURPOSE/GOALS:	Collect sub-bottom, swath and sidescan geophysical data to help characterize the geologic framework around Breton Island.
PLATFORM:	R/V <i>Tommy Munro</i>
STARTING DATE:	08/11/2014
STARTING PORT:	Biloxi, Mississippi
ENDING DATE:	08/31/2014
ENDING PORT:	Biloxi, Mississippi
EQUIPMENT USED:	SEA SWATH ^{plus} -H 468-kHz interferometric system, Valeport mini sound velocity probe, CodaOctopus F190 Precision Attitude and Positioning System DGPS/IMU, EdgeTech 512i chirp sub-bottom profiler, laptop computers for acquisition and on-boat processing, Ashtech Z-Extreme DGPS receivers and Hypack Hydrographic survey software.
INFORMATION TO BE DERIVED:	Bathymetry, nearsurface geology, and island elevation.
SUMMARY OF ACTIVITY AND DATA GATHERED:	Chirp sub-bottom profile (93 lines), interferometric swath bathymetry (76 lines), and sidescan sonar data.
STAFF:	James Flocks, Stanley Locker, Jack Kindinger, Kyle Kelso and Dana Weise (USGS SPCMSC); Jake Fredericks (Cherokee Nation Technology Solutions)
NOTES:	FACS logs were generated by A. Forde from digital field logs and personal accounts of crew members.